Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/08/2016 11:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/06/2016 09:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124315	-1	2.54	124236	2.48
Blue	F	SSC	125000	124503	-1	4.64	125186	4.44
Blue	E	FITC	21137	20623	-3	3.23	911	9.91
Blue	D	PE	25913	25067	-4	2.97	895	9.23
Blue	B	PerCP-Cy5-5	46728	46130	-2	3.90	1325	15.94
Blue	A	PE-Cy7	40457	39825	-2	5.23	618	33.26
Red	C	APC	50567	49765	-2	2.82	2888	9.21
Red	A	APC-Cy7	52095	51215	-2	2.88	1061	11.19
Violet	B	V450	13425	12815	-5	3.36	620	8.69
Violet	A	V500	55630	53757	-4	3.19	2391	6.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19483	4.18	600	2	N/A	N/A	Pass
Blue	F	SSC	61913	3.44	524	6	N/A	N/A	Pass
Blue	E	FITC	104	36.61	525	0	0.0238	157	Pass
Blue	D	PE	197	27.31	519	0	0.2039	276	Pass
Blue	B	PerCP-Cy5-5	211	41.84	615	2	0.0118	109	Pass
Blue	A	PE-Cy7	69	107.08	667	3	0.0135	11	Pass
Red	C	APC	332	27.14	589	-2	0.0217	78	Pass
Red	A	APC-Cy7	116	40.30	570	-1	0.0056	1611	Pass
Violet	B	V450	75	40.58	463	0	0.0443	1616	Pass
Violet	A	V500	174	22.81	495	1	0.0142	443	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.25	-30.94	0.79
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	15.10	13.28 - 19.92	N/A	N/A	31.68	31.81	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10098

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments